

Active Recombinant Full Length Human HNRNPK Protein, C-Flag-tagged

Cat. No. HNRNPK-34HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Full Length Human HNRNPK Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.

Species

Human

Source

Mammalian Cells

Description

This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene is located in the nucleoplasm and has three repeats of KH domains that binds to RNAs. It is distinct among other hnRNP proteins in its binding preference; it binds tenaciously to poly(C). This protein is also thought to have a role during cell cycle progression. Several alternatively spliced transcript variants have been described for this gene, however, not all of them are fully characterized.

Form

25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.

Bio-activity

HNRNPK Activity verified in a DNA-binding assay.

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Molecular Mass	50.8 kDa
AA Sequence	<p>METEQPEETFPNTETNGEFGKRPAEDMEEEQAFKRSRNTDEMVELRILLQSKNAGA VIGKGGKNIKALRT DYNASVSVDPDSSGPERILSISADIETIGEILKKIIPTLEEGLQLPSP TATSQLPLESDAVECLNYQHYKG SDFDCELRLLIHQSLAGGIIGVKGAKIKELRENTQ TTIKLFQECCPHSTDRVVLIGGKPDREVVECIKIL DLISESPIKGRAQPYDPNFYDETY DYGGFTMMFDDRRGRPVGFPMRGRGGFDRMPPGRGGRPMPPSRRDY DDMSPR RGPPPPPPGRGGRGSSRARNLPLPPPPPPRGDDL MAYDRRGRPGDRYDGMVGF SADETWDSAID TWSPSEWQMAYEPQGGSGYDYSYAGGRGSYGD LGGPIITTQVTI PKDLAGSIIGKGGQRIKQIRHESGAS IKIDEPLEGSEDRIITITGTQDQIQNAQYLLQNSVKQYADVEGFTRTRPLEQKLISEEDL AANDILDYKDDDDKV</p>
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Spliceosome
Full Length	Full L.

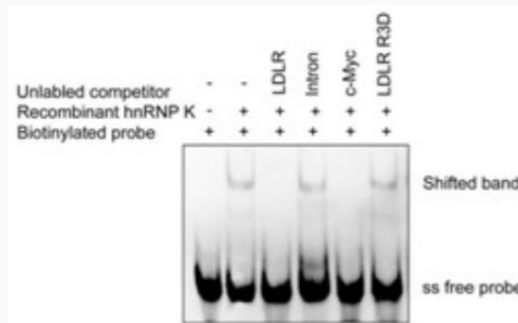
GENE INFORMATION

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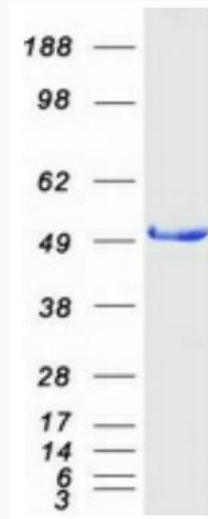
Gene Name	HNRNPK heterogeneous nuclear ribonucleoprotein K [Homo sapiens (human)]
Official Symbol	HNRNPK
Synonyms	AUKS; CSBP; TUNP; HNRPK
Gene ID	3190
mRNA Refseq	NM_002140.5
Protein Refseq	NP_002131.2
MIM	600712
UniProt ID	P61978



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Coomassie blue staining of purified HNRNPK protein.

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